

tainers 44a-c comprise syringes instead of cups. As will be appreciated by those skilled in the art, medicinal fluid containers can comprise any apparatus utilized to hold a medicinal fluid for an amount of time. First, second and third medicinal fluid containers 44a-c include non-textual indicia 52a-c integrated respectively therein. Non-textual indicia 50a of first input port 48a corresponds with non-textual indicia 52a of first medicinal fluid container 44a. Non-textual indicia 50a of second input port 48a corresponds with non-textual indicia 52a of second medicinal fluid container 44a. Non-textual indicia 50a of third input port 48a corresponds with non-textual indicia 52a of third medicinal fluid container 44a.

[0043] Non-textual indicia 50a-c of medicinal fluid delivery device 42 and corresponding non-textual indicia 52a-c of medicinal fluid containers 44a-c serve to associate first, second and third input ports 48a-c to first, second and third medicinal fluid containers 44a-c, respectively, and the medicinal fluids contained therein. The association between non-textual indicia 50a and corresponding indicia 52a allows a practitioner to quickly and effectively associate first input port 48a with first medicinal fluid container 44a. Likewise, non-textual indicia 50b, 50c and corresponding non-textual indicia 52b, 52c, respectively, allow a practitioner to quickly and effectively associate second and third input ports 48b, 48c with second and third medicinal fluid containers 44b, 44c, respectively.

[0044] In one embodiment of the present invention, the non-textual indicia 50a-c includes a unique color, and non-textual indicia 52a-c includes a respective corresponding color. For example, the color of first input port 48a corresponds to the color of first medicinal fluid container 44a. The color of second input port 48b corresponds to the color of second medicinal fluid container 44b, but is different from the color of first input port 48a. The color of third input port 48c corresponds to the color of third medicinal fluid container 44c, but is different from both the color of first input port 48a and the color of second input port 48b. The use of color allows a practitioner to quickly and effectively associate an input port with a medicinal fluid container and the medicinal fluid contained therein.

[0045] FIG. 5A illustrates an alternative embodiment of a medicinal fluid delivery system 10b of the present invention. Medicinal fluid delivery system 10b includes a medicinal fluid delivery device 56, a medicinal fluid container 58, and chemical indicator strips 62, 64. In the illustrated embodiment, chemical indicator strips 62, 64 comprise non-textual indicia. Chemical indicator strips 62, 64 include an exposed reactant surface. The exposed reactant surface is configured to display a particular color when contacted by a medicinal fluid. For example, when a first medicinal fluid contacts the exposed reactant surface of the chemical indicator strip 62 the exposed reactant surface displays a color corresponding to the medicinal fluid. An indicator strip is one example of a means for indicating material properties of the medicinal fluid.

[0046] In one embodiment, chemical indicator strip 62 is embedded in the barrel of medicinal fluid delivery device 56. Chemical indicator strip 64 is integrated into the inner wall of medicinal fluid container 58. The exposed reactant surfaces of chemical indicator strips 62, 64 are configured such that when the exposed reactant surfaces contact medicinal

fluid 60 the exposed reactant surface of chemical indicator strip 62 displays a color that corresponds to the color displayed by the exposed reactant surface of other chemical indicator strips exposed to the same medicinal fluid, such as chemical indicator strip 64. The corresponding color displayed by the exposed reactant surface of chemical indicator strips 62, 64 facilitate the association of medicinal fluid delivery device 56 with medicinal fluid container 58 and medicinal fluid 60 contained therein.

[0047] FIG. 5B illustrates an alternative medicinal fluid delivery device 66. Medicinal fluid delivery device 66 includes an attachment member 68 having a non-textual indicia 70 removably coupled thereto. Attachment member 68 is coupled to medicinal fluid delivery device 66. In the illustrated embodiment, attachment member 68 comprises a luer coupler having an exposed reactant surface. When attachment member 68 comes in contact with a medicinal fluid, the exposed reactant surface changes to a color indicating the type of medicinal fluid. In the illustrated embodiment, the color displayed by the exposed reactant surface of attachment member 68 comprises the non-textual indicia.

[0048] In another embodiment, a colored removable member such as attachment member 68 is provided. The removable member can easily and quickly be added to existing components such as a syringe to indicate to a practitioner the type of medicinal fluid with which it should be utilized. In an alternative embodiment, an attachment member comprising a stop cock is utilized. In one embodiment, the non-textual indicium comprises the color of the material of the attachment member. In an alternative embodiment, a colored component of the medicinal fluid delivery device is utilized with both a chemical indicator strip and textual indicia. For example, a colored component can be utilized in connection with a chemical indicator strip having an exposed reactant surface which displays a color associated with the colored component when contacted by the correct medicinal fluid.

[0049] As will be appreciated by those skilled in the art, a variety of types and configurations of means for indicating can be utilized without departing from the scope and spirit of the present invention. For example, in one embodiment the means for indicating comprises a numerical indicator of the properties of the medicinal fluid such as the Ph or other material property of the medicinal fluid. In another embodiment an indicator providing a binary indication as to whether the chemical within the medicinal fluid container, the medicinal fluid delivery device, and/or another component of the medicinal fluid delivery system comprises the desired medicinal fluid. In yet another embodiment, a warning indication is provided when an incorrect medicinal fluid is contained within the medicinal fluid container, the medicinal fluid delivery device, and/or another component of the medicinal fluid delivery system.

[0050] As will be appreciated by those skilled in the art, the medicinal fluid delivery devices and medicinal fluid containers can include textual indicia in combination with the non-textual indicia. For example, a medicinal fluid delivery device and a medicinal fluid container can include the name of the medicinal fluid utilized therewith printed on an outer surface the barrel. Alternatively, the textual indicia can be printed on only the medicinal fluid delivery device or the medicinal fluid container, but not both.

[0051] The present invention can be embodied in other specific forms without departing from its spirit or essential